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SCIENCE ENGINEERING RESEARCH GROUP

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National Aeronautics & Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period Ending
October 15, 1972

This document is submitted herewith in reference to NASA Contract
No. NASS-21793 and includes the following:

- A) Title of the Investigation: "In Situ Spectroradiometric
Quantification of ERTS Data" (069)
- B) GSFC Identification Number: UN 295 (Dr. Edward Yost)
- C) The received MSS and RBV imagery in different bands was viewed
on an additive color viewer as a composite. Different combi-
nations of filters were tried in order to enhance the color
differences in the composite image, but no obvious differences
could be characterized. It is planned to reprocess the imagery
so that the difference in terrain features is maximized. Some
of the received imagery could not be used due to the un-
acceptable percentage of cloud cover.
- D) The planned trip to the three test sites under this contract
had to be aborted due to the mechanical and electronic
problems in the computerized telespectroradiometric system.
This trip was scheduled to measure the spectra at each test
site at the time ERTS is obtaining imagery. The trip to the
test sites is rescheduled for the end of October or beginning
of November.

Very truly yours,

Edward Yost
Professor and Director

(E72-10174) IN SITU SPECTRORADIOMETRIC
QUANTIFICATION OF ERTS DATA Progress
Report, period ending 15 Oct. 1972 E. Yost
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@ rpn RPN E72-10174 NASA CR-128365

@ cnt CNT [GT] NAS5-21793 Contract NAS5-21793

@ aut AUT Olyost, Edward Edward Yost,

@ utl UTL In situ spectroradiometric quantification of ERTS data

@ CSC CSC 93B

@ F01 F01

@ TLS TLS Progress report, period ending 15 Oct. 1972

@ GSS GSS Science Engineering Research Group.

@ PAT PAT Principal Investigator

@ SAP SAP HC \$3.00 PC\$3.00/MF\$0.95

@ MJS23 MJS23 EARTH RESOURCES TECHNOLOGY SATELLITE A@IMAGERY@SPECTRORADIOMETERS

@ MNS MNS MULTISPECTRAL BAND SCANNERS@RETURN BEAM VIDICONS@COLOR PHOTOGRAPHY

@ UNC UNC In situ spectroradiometric quantification of ERTS-1, MSS, and RBV imagery

@ Entire doc. 95 abstract

@ 35) 403 845